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(FILE 'HOME' ENTERED AT 13:50:47 ON 02 MAR 1999)

FILE 'BIOSIS, MEDLINE, WPIDS, EMBASE, CAPLUS' ENTERED AT 13:51:06 ON 02 MAR 1999

L1 793853 S METHOD(P) (PROTECT? OR TREAT?)
L2 339842 S (FREE(W)RADICAL) OR (SUPEROXIDE) OR (HEAVY(W)METAL)
L3 384105 S (IONIZ?(5A)RADIATION) OR (RADIATION(5A)THERAPY) OR
(CHEMOTHE
L4 4771496 S C
L5 1958004 S CDNA OR DNA OR (PHARMACEUT?(5A)COMPOSITION)
L6 242579 S LIPOSOME OR (ADENOVIR?(5A)VECTOR) OR CONJUGATE
L7 39835 S (GLUTAMYL(W)TRANSPEPTIDASE) OR
(MANGANESE(W)SUPEROXIDE(W)DISM
L8 4 S RADIOINDUCIBLE
L9 338 S INDUCIBLE(5A)REGULATORY(5A) (SEQUENCE OR ELEMENT)
L10 8363 S L1 AND L2
L11 16716 S L5 AND L6
L12 10 S L10 AND L11
L13 175 S L10 AND L7
L14 69 S L11 AND L7
L15 28427 S L1 AND L3
L16 1534 S L15 AND L5
L17 35 S L16 AND L6
L18 54 S L1 AND L3 AND L7
L19 69 S L11 AND L7
L20 191 S L5 AND L9
L21 1 S L1 AND L20
L22 4 S L3 AND L9
L23 4 S L2 AND L9
L24 10 S L7 AND L9
L25 91 DUP REM L13 (84 DUPLICATES REMOVED)
L26 37 DUP REM L14 (32 DUPLICATES REMOVED)
L27 23 DUP REM L17 (12 DUPLICATES REMOVED)
L28 28 DUP REM L18 (26 DUPLICATES REMOVED)
L29 2 DUP REM L22 (2 DUPLICATES REMOVED)
L30 5 DUP REM L24 (5 DUPLICATES REMOVED)
L31 170 DUP REM L25 L26 L27 L28 (9 DUPLICATES REMOVED)

=> d 121

L21 ANSWER 1 OF 1 CAPLUS COPYRIGHT 1999 ACS

AN 1999:64904 CAPLUS

TI **cdNA** sequence of tobacco calcium dependent protein kinase,
prodn. of transgenic plants expressing such nucleic acids and use in
altering disease resistance phenotype of plants

IN Lusso, Marcos Fernando Godoy; Chappell, Joseph

PA University of Kentucky Research Foundation, USA

SO PCT Int. Appl., 51 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9902655 A1 19990121 WO 98-US147 19980707
 W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CH, CN, CU, CZ, DE,
 DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
 KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
 NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
 UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
 CM, GA, GN, ML, MR, NE, SN, TD, TG
 PRAI US 97-889655 19970708

=> d 1-2 129

L29 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1999 ACS
 AN 1993:187031 CAPLUS
 DN 118:187031
 TI Radiation signaling mediated by Jun activation following dissociation
 from
 a cell type-specific repressor
 AJ Hallahan, Dennis E.; Gius, David; Kuchibhotla, Jaya; Sukhatme, Vikas;
 Kufe, Donald W.; Weichselbaum, Ralph R.
 CS Michael Reese Med. Cent., Univ. Chicago, Chicago, IL, 60637, USA
 SO J. Biol. Chem. (1993), 268(7), 4903-7
 CODEN: JBCHA3; ISSN: 0021-9258
 DT Journal
 LA English

L29 ANSWER 2 OF 2 MEDLINE DUPLICATE 1
 AN 87217111 MEDLINE
 DN 87217111
 TI P450 genes: evolution, regulation, and relationship to human cancer and
 pharmacogenetics.
 AU Gonzalez F J; Jaiswal A K; Nebert D W
 SO COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, (1986) 51 Pt 2
 879-90.
 Journal code: DMT. ISSN: 0091-7451.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198709

=> d bib 1-5 130

L30 ANSWER 1 OF 5 CAPLUS COPYRIGHT 1999 ACS
 AN 1997:809893 CAPLUS
 DN 128:71637
 TI Seed plants exhibiting early reproductive development based on genetic
 engineering of floral meristem identity genes
 IN Yanofsky, Martin F.
 PA Regents of the University of California, USA
 SO PCT Int. Appl., 146 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9746079	A1	19971211	WO 97-US9682	19970604
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG,				

KZ, MD, TJ, TM
 RW: GH, KE, MW, SD, SZ, UG, AT, BE, CH, DK, ES, FI, FR, GB,
 GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN,
 ML, MR, NE, SN, TD, TG
 AU 9733000 A1 19980105 AU 97-33000 19970604
 PRAI US 96-659188 19960605
 WO 97-US9682 19970604

L30 ANSWER 2 OF 5 CAPLUS COPYRIGHT 1999 ACS

AN 1997:94088 CAPLUS

DN 126:108980

TI Organ function replacement compositions containing recombinant
 hepatocytes

and their use in treating liver insufficiency

IN Weiner, David B.; Fox, Ira J.

PA Trustees of the University of Pennsylvania, USA; Board of Regents of the
 University of Nebraska

SO PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9639490	A1	19961212	WO 96-US9431	19960606
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				

SE

AU 9659897 A1 19961224 AU 96-59897 19960606

PRAI US 95-466370 19950606

WO 96-US9431 19960606

L30 ANSWER 3 OF 5 CAPLUS COPYRIGHT 1999 ACS

AN 1994:237360 CAPLUS

DN 120:237360

TI Expression of a gene (Ids2) induced by Fe deficiency treatment in the
 roots of Hordeum vulgare L

AU Mori, S.; Okumura, N.; Nakanishi, H.; Umehara, Y.; Chino, M.; Nishizawa,
 N. K.

CS Dep. Agric. Chem., Univ. Tokyo, Tokyo, 113, Japan

SO Plant Soil (1993), 155-156, 135-8

CODEN: PLSOA2; ISSN: 0032-079X

DT Journal

LA English

L30 ANSWER 4 OF 5 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 1

AN 1991:136143 BIOSIS

DN BA91:72683

TI ENHANCEMENT OF EXPRESSION OF EXOGENOUS GENES BY 2 AMINOPURINE REGULATION
 AT THE POST-TRANSCRIPTIONAL LEVEL.

AU KALVAKOLANU D V R; BANDYOPADHYAY S K; TIWARI R K; SEN G C

CS DEP. MOL. BIOL., CLEVELAND CLIN. FOUND., CLEVELAND, OHIO 44195.

SO J BIOL CHEM, (1991) 266 (2), 873-879.

CODEN: JBCHA3. ISSN: 0021-9258.

FS BA; OLD

LA English

L30 ANSWER 5 OF 5 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 2

AN 1986:171146 BIOSIS

DN BA81:81562

TI METAL-DEPENDENT SV-40 VIRUSES CONTAINING INDUCIBLE ENHANCERS FROM THE
 UPSTREAM REGION OF **METALLOTHIONEIN** GENES.

AU SERFLING E; LUEBBE A; DORSCH-HAESLER K; SCHAFFNER W

CS INST. VIROLOGIE UND IMMUNOBIOLOGIE DER UNIV. WUERZBURG, VERSBACHER
 STRASSE

7, D-8700 WUERZBURG, FRG.
SO EMBO (EUR MOL B CELL ORGAN) J, (1985 (RECD 1986)) 13B), 3851-3860.
CODEN: EMJODG. ISSN: 0261-4189.
FS BA; OLD
LA English

=> s 45-91 ti so au pi pd l25

MISSING OPERATOR PD L25

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s ti so au pd pi 45-91 l25

MISSING OPERATOR 45-91 L25

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d ti so au pd pi 45-91 l25

L25 ANSWER 45 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
TI Long-term exposure to chromium-(VI) oxide leads to defects in sulfate transport system in Chinese hamster ovary cells.
SO Journal of Cellular Biochemistry, (1995) Vol. 57, No. 4, pp. 655-665. ISSN: 0730-2312.
AU Lu, Yi-Yi; Yang, Jia-Ling (1)
PD 1995

L25 ANSWER 46 OF 91 MEDLINE DUPLICATE 28
TI **Metallothioneins** and cell death by anticancer drugs.
SO ANNUAL REVIEW OF PHARMACOLOGY AND TOXICOLOGY, (1995) 35 635-53. Ref: 103
Journal code: 6E4. ISSN: 0362-1642.
AU Lazo J S; Pitt B R

L25 ANSWER 47 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
TI Applications of eukaryotic algae for the removal of **heavy metals** from water.
SO Molecular Marine Biology and Biotechnology, (1995) Vol. 4, No. 4, pp. 338-344. ISSN: 1053-6426.
AU Cai, Xiao Hua; Traina, Samuel J.; Logan, Terry J.; Gustafson, Terry; Sayre, Richard T. (1)
PD 1995

L25 ANSWER 48 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 29
TI Tissue manganese concentrations and antioxidant enzyme activities in rats given total parenteral nutrition with and without supplemental manganese.
SO Journal of Parenteral and Enteral Nutrition, (1995) Vol. 19, No. 3, pp. 222-226. ISSN: 0148-6071.
AU Malecki, Elise A.; Lo, Hui-Chen; Yang, Huan; Davis, Cindy D.; Ney, Denise M.; Greger, J. L. (1)
PD 1995

L25 ANSWER 49 OF 91 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
DUPLICATE
30
TI Removing toxic **heavy metals**, esp. from humans, with phosphoro thioate - pref. an oligo deoxyribonucleotide, esp. one anti-sense to the **metallothionein** gene.
IN IVERSEN, P L
PI WO 9421243 A1 940929 (9439)* EN 39 pp A61K031-095
RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE

W: AT AU BB BR CA CH CZ DE DK ES FI GB HU KP KR LK LU MG MN MW
 NL NO NZ PT RO RU SD SE SK UA
 AU 9339202 A 941011 (9504) A61K031-095
 EP 689433 A1 960103 (9606) EN A61K031-095
 R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

L25 ANSWER 50 OF 91 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
 TI Human variant manganese super-oxide dismutase with aminoacid mutation in non-essential regions - for treatment of arthritis, active oxygen related disorders and for cosmetics.

IN KATSUTA, K; KONDO, M

PI WO 9414950 A1 940707 (9428)* JA 34 pp C12N009-02

RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

W: AU CA KR US

AU 9457170 A 940719 (9439) C12N009-02

JP 06245763 A 940906 (9440) 15 pp C12N009-02

L25 ANSWER 51 OF 91 CAPLUS COPYRIGHT 1999 ACS

TI Inhibition of pulmonary oxygen toxicity using **manganese superoxide dismutase**

SO PCT Int. Appl., 50 pp.

CODEN: PIXXD2

IN Wegner, Craig; Wolyneic, Walter W., Jr.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9421283	A1	19940929	WO 94-US3185	19940324
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W: AU, BY, CA, CN, HU, JP, KR, NO, NZ, RU, UA

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

AU 9464913	A1	19941011	AU 94-64913	19940324
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ZA 9402073	A	19941027	ZA 94-2073	19940324
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L25 ANSWER 52 OF 91 CAPLUS COPYRIGHT 1999 ACS

TI **Superoxide** dismutase gene mutations as causes of neurodegenerative diseases and compounds and **methods** for the diagnosis, **treatment**, and prevention of the diseases

SO PCT Int. Appl., 98 pp.

CODEN: PIXXD2

IN Brown, Robert; Horvitz, H. Robert; Rosen, Daniel R.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9419493	A1	19940901	WO 94-US2089	19940228
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W: CA, JP

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

US 5843641	A	19981201	US 93-23980	19930226
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CA 2157041	AA	19940901	CA 94-2157041	19940228
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EP 686203	A1	19951213	EP 94-910183	19940228
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

SE

JP 08510377	T2	19961105	JP 94-519309	19940228
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US 5849290	A	19981215	US 95-486953	19950607
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L25 ANSWER 53 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 31

TI Glucocorticoids repress basal and stimulated **manganese superoxide dismutase** levels in rat intestinal epithelial cells.

SO Gastroenterology, (1994) Vol. 107, No. 6, pp. 1662-1670.
 ISSN: 0016-5085.

AJ Valentine, John F. (1); Nick, Harry S.

PD 1994

L25 ANSWER 54 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 32

TI Effects of recombinant **superoxide** dismutase on **manganese superoxide dismutase** gene expression in Gerbil hippocampus after ischemia.

SO Stroke, (1994) Vol. 25, No. 7, pp. 1417-1423.

- ISSN: 0039-2499
- AU Matsuyama, Tomoko (1); Shimizu, Souichiro; Nakamura, Hitoshi;
Michishita, Hisamasa; Tagaya, Masafumi; Sugita, Minoru
PD 1994
- L25 ANSWER 55 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 33
TI Regulation of **metallothionein** mRNA in human hepatoma (HEP3B)
cells.
SO International Journal of Radiation Oncology Biology Physics, (1994) Vol.
29, No. 2, pp. 397-402.
ISSN: 0360-3016.
AU Hilburger, Carol L.; Gogu, Sudhir R.; Rider, Barbara J.; White, Luann E.;
George, William J.; Agrawal, Krishna C. (1)
PD 1994
- L25 ANSWER 56 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
TI Application of a polyamine-coated capillary to the separation of
metallothionein isoforms by capillary zone electrophoresis.
SO Journal of Chromatography B Biomedical Applications, (1994) Vol. 657, No.
2, pp. 345-355.
AU Richards, Mark P.
PD 1994
- L25 ANSWER 57 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
TI Production of hydroxyl **free radical** by exposure of
N-methyl-N'-nitro-N-nitrosoguanidine to visible light in the absence of
hydrogen peroxide.
SO Radiation Research, (1994) Vol. 138, No. 3, pp. 320-325.
ISSN: 0033-7587.
AU Mikuni, Tomiko; Tatsuta, Masaharu
PD 1994
- L25 ANSWER 58 OF 91 CAPLUS COPYRIGHT 1999 ACS
TI Rapid detection of **metallothionein** in fish tissues by linear
sweep polarography
SO Huanjing Huaxue (1994), 13(1), 80-6
CODEN: HUHADB; ISSN: 0254-6108
AU Tie, Feng; Pan, Aihua; Li, Lingyuan; Ru, Binggen; Wang, Yingyan
- J
L25 ANSWER 59 OF 91 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
TI Protection from lung injury due to hyperoxia and hyperventilation - by
admin. of **manganese superoxide dismutase**, is
of partic. value for new born babies.
IN GONENNE, A
PI US 5264211 A 931123 (9348)* 9 pp A61K037-50
- L25 ANSWER 60 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
TI Estrogen and progesterone receptors in the diethylstilbestrol-induced
kidney neoplasms of the Syrian golden hamster: Correlation with
histopathology and tumoral stages.
SO Carcinogenesis (Oxford), (1993) Vol. 14, No. 6, pp. 1215-1219.
ISSN: 0143-3334.
AU Cortes-Vizcaino, V.; Llombart-Bosch, A.
PD 1993
- L25 ANSWER 61 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 34
TI Changes of myocardial **metallothionein** on isoproterenol-induced
myocardial injury.
SO Yakugaku Zasshi, (1993) Vol. 113, No. 8, pp. 591-595.
ISSN: 0031-6903.
AU Namikawa, Kiyohiro (1); Okazaki, Yuko (1); Nishida, Shozo; Kimoto, Saori;
Akai, Fumiharu; Tomura, Takanori; Hashimoto, Shigeo
PD 1993
- L25 ANSWER 62 OF 91 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.

- TI Molecular adaptation of cellular defences following preconditioning of
the heart by repeated ischaemia.
SD Cardiovascular Research, (1993) 27/4 (578-584).
ISSN: 0008-6363 CODEN: CVREAU
AU Das D.K.; Engelman R.M.; Kimura Y.
PD 1993
- L25 ANSWER 63 OF 91 MEDLINE DUPLICATE 35
TI Neutrophil and nonneutrophil-mediated injury in intestinal
ischemia-reperfusion.
SD ANNALS OF SURGERY, (1993 Oct) 218 (4) 444-53; discussion 453-4.
Journal code: 67S. ISSN: 0003-4932.
AU Simpson R; Alon R; Kobzik L; Valeri C R; Shepro D; Hechtman H B
- L25 ANSWER 64 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 36
TI Inactivation of rat small intestinal brush-border membrane alkaline
phosphatase by oxygen **free radicals**.
SD Gastroenterology, (1993) Vol. 105, No. 2, pp. 357-366.
ISSN: 0016-5085.
AU Dudeja, Pradeep K. (1); Brasitus, Thomas A.
PD 1993
- L25 ANSWER 65 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 37
TI Analysis of mammalian **metallothionein** isoforms by
high-resolution SDS-gel electrophoresis.
SD Toxicology Letters (Shannon), (1993) Vol. 66, No. 2, pp. 165-174.
ISSN: 0378-4274.
AU Koizumi, Shinji (1); Otaki, Noriko; Saegusa, Junzo; Otsuka, Fuminori
PD 1993
- L25 ANSWER 66 OF 91 CAPLUS COPYRIGHT 1999 ACS
TI Mechanisms of copper ion homeostasis in yeast
SD Bioinorg. Chem. Copper (1993), 124-31. Editor(s): Karlin, Kenneth D.;
Tyeklar, Zoltan. Publisher: Chapman & Hall, New York, N. Y.
CODEN: 60FAAZ
AU Culotta, Valeria Clzewski; Lapinskas, Paula; Liu, Xiu Fen
- L25 ANSWER 67 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
TI Comparison of the NMR solution structure and the x-ray crystal structure
of rat **metallothionein**-2.
SD Proceedings of the National Academy of Sciences of the United States of
America, (1992) Vol. 89, No. 21, pp. 10124-10128.
ISSN: 0027-8424.
AU Braun, W. (1); Vasak, M.; Robbins, A. H.; Stout, C. D.; Wagner, G.;
Kaegi,
J. H. R.; Wuethrich, K. (1)
PD 1992
- L25 ANSWER 68 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 38
TI **METALLOTHIONEIN** GENE EXPRESSION IN RAT LIVER FOLLOWING
INTRAPERITONEAL ENDOTOXIN ADMINISTRATION.
SD OKAYAMA IGAKKAI ZASSHI, (1992) 104 (5-6), 625-637.
CODEN: OIZAAV. ISSN: 0030-1558.
AU TAGA N
PD 1992
- L25 ANSWER 69 OF 91 CAPLUS COPYRIGHT 1999 ACS
TI Synthesis of .alpha.- and .beta.-fragments of mouse
metallothionein I and related peptides and studies on the
structure-**heavy metal**-binding activity relationship
SD Pept. Chem. (1992), Volume Date 1991, 29th, 169-74
CODEN: PECHDP; ISSN: 0388-3698
AU Matsumoto, Satoshi; Okada, Yoshio; Min, Kyong Son; Onosaka, Satomi;
Tanaka, Keiichi

L25 ANSWER 70 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 39
 TI REACTIVITY OF A MONOCLONAL ANTIBODY TO **MANGANESE
 SUPEROXIDE DISMUTASE** WITH HUMAN OVARIAN CARCINOMA.
 SO CANCER RES, (1990) 50 (8), 2538-2542.
 CODEN: CNREA8. ISSN: 0008-5472.
 AU ISHIKAWA M; YAGINUMA Y; HAYASHI H; SHIMIZU T; ENDO Y; TANIGUCHI N
 PD 1990

L25 ANSWER 71 OF 91 MEDLINE DUPLICATE 40
 TI A modified technique for the measurement of sulfhydryl groups oxidized by
 reactive oxygen intermediates.
 SO FREE RADICAL BIOLOGY AND MEDICINE, (1990) 9 (6) 479-84.
 Journal code: FRE. ISSN: 0891-5849.
 AU Suzuki Y; Lyall V; Biber T U; Ford G D

L25 ANSWER 72 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 41
 TI STUDIES OF THE MECHANISMS OF TOXICITY OF THE ADMINISTRATION OF
 RECOMBINANT
 TUMOR NECROSIS FACTOR ALPHA IN NORMAL AND TUMOR-BEARING MICE.
 SO CANCER IMMUNOL IMMUNOTHER, (1989) 30 (3), 133-138.
 CODEN: CIIMDN. ISSN: 0340-7004.
 AU KROSINICK J A; MCINTOSH J K; MULE J J; ROSENBERG S A
 PD 1989

L25 ANSWER 73 OF 91 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
 TI Recombinant human manganese superoxidedismutase - used for treating e.g.
 reperfusion injury, inflammation, arthritis, bronchial pulmonary
 dysplasia
 or lung fibrosis.
 IN BECK, Y; HARTMAN, J R; NIMROD, A
 PI EP 284105 A 880928 (8839)* EN 46 pp
 R: AT BE CH DE ES FR GB GR IT LI LU NL SE
 JP 01027470 A 890130 (8910)
 EP 284105 B1 951115 (9550) EN 47 pp A61K038-44
 R: AT BE CH DE FR GB GR IT LI LU NL SE
 DE 3854678 G 951221 (9605) A61K038-44
 JP 08317789 A 961203 (9707) 35 pp C12N009-02
 CA 1339299 C 970819 (9747) A61K038-44

L25 ANSWER 74 OF 91 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
 TI Prod'n. of human manganese superoxidedismutase peptide(s) - and DNA coding
 sequences, for control and diagnosis of e.g. inflammatory diseases.
 IN HAUPTMANN, R; HECKL, K; KRYSTEK, E; MAURER-FOGY, I; OSTERMANN, E; SPEVAK,
 W; STRATOWA, C; WICHE-CASTANON, M; ZOEPHEL, A; MAURERFOGY, I; STRATOW, C;
 WICHECASTA, M J; ZOPHEL, A; WICHE-CASTANON, M J; WICHECASTANON, M;
 KYRSTEK, E; WICHECASTANON, M J
 PI EP 282899 A 880921 (8838)* DE 57 pp
 R: AT BE CH DE ES FR GB GR IT LI LU NL
 DE 3708306 A 880922 (8839)
 AU 8813027 A 880915 (8845)
 NO 8801089 A 881010 (8846)
 FI 8801185 A 880915 (8848)
 DK 8801333 A 880915 (8849)
 HU 46739 T 881128 (8901)
 DE 3717695 A 890112 (8904)
 DE 3722884 A 890126 (8905)
 JP 01063383 A 890309 (8916)
 PT 86955 A 890330 (8916)
 DE 3744038 A 891102 (8945)
 ZA 8801743 A 891129 (9001)
 SU 1741620 A3 920615 (9325) 20 pp C12N015-52
 US 5240847 A 930831 (9336) 40 pp C12N015-53
 US 5260204 A 931109 (9346) 4 pp C12N009-02
 NO 176884 B 950306 (9514) C12N015-53

US 5436162 A 950325 (9535) 38 pp C12N015-53
 EP 282899 B1 960700 (9607) DE 60 pp C12N015-53
 R: AT BE CH DE ES FR GB GR IT LI LU NL SE
 DE 3854872 G 960222 (9613) C12N015-53
 ES 2083357 T3 960416 (9623) C12N015-53
 US 5589371 A 961231 (9707) 20 pp C12N009-02
 HU 212920 B 961230 (9714) C12N015-00
 IE 71940 B 970312 (9727) C12N015-53
 MX 184770 B 970527 (9823) C12N015-000
 PH 28789 A 950310 (9842) C12N015-53

L25 ANSWER 75 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
 T1 SILVER STAINING FOR CARBOXYMETHYLATED **METALLOTHIONEINS** IN
 POLYACRYLAMIDE GELS.
 SO ANAL BIOCHEM, (1988) 168 (1), 184-192.
 CODEN: ANBCA2. ISSN: 0003-2697.
 AU OTSUKA F; KOIZUMI S; KIMURA M; OHSAWA M
 PD 1988

L25 ANSWER 76 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 42
 T1 CHARACTERIZATION OF **SUPEROXIDE** DISMUTASE FROM MAMMALIAN SKIN
 EPIDERMIS.
 SO J INVEST DERMATOL, (1988) 90 (1), 31-36.
 CODEN: JIDEAE. ISSN: 0022-202X.
 AU CARRARO C; PATHAK M A
 PD 1988

L25 ANSWER 77 OF 91 CAPLUS COPYRIGHT 1999 ACS
 T1 Comparative study on the five methods for the estimation of
manganese superoxide dismutase activity
 SO Shengwu Huaxue Zazhi (1988), 4(1), 29-35
 CODEN: SHZAE4
 AU Zhao, Houan; Fang, Yunzhong

V L25 ANSWER 78 OF 91 CAPLUS COPYRIGHT 1999 ACS
 T1 Sequencing and expression of human **manganese superoxide**
dismutase gene in Escherichia for use in pharmaceutical and
 veterinarian compositions
 SO Belg., 46 pp.
 CODEN: BEXXAL

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 905796	A1	19870316	BE 86-217445	19861120
DK 8605346	A	19870523	DK 86-5346	19861107
AU 8664975	A1	19870528	AU 86-64975	19861110
AU 607897	B2	19910321		
ZA 8608610	A	19870729	ZA 86-8610	19861113
SE 8604884	A	19870523	SE 86-4884	19861114
GB 2183658	A1	19870610	GB 86-27294	19861114
GB 2183658	B2	19900425		
ES 2003518	A6	19881101	ES 86-3083	19861118
AT 400443	B	19951227	AT 86-3089	19861119
IL 106449	A1	19970218	IL 86-106449	19861120
FI 8604756	A	19870523	FI 86-4756	19861121
FI 90353	B	19931015		
FI 90353	C	19940125		
FR 2590591	A1	19870529	FR 86-16238	19861121
FR 2590591	B1	19891201		
NL 8602960	A	19870616	NL 86-2960	19861121
DE 3639725	A1	19870723	DE 86-3639725	19861121
DE 3639725	C2	19980219		
JP 62289187	A2	19871216	JP 86-278528	19861121
CH 676990	A	19910328	CH 86-4680	19861121
US 5246847	A	19930921	US 92-842740	19920227
US 5270195	A	19931214	US 92-912213	19920710

US 5540911
JP 08289792

19960730
19961105

US 95-370463 19950109
JP 96-8627 19960122

L25 ANSWER 79 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
TI CADMIUM-SATURATION TECHNIQUE FOR MEASURING **METALLOTHIONEIN** IN
BROOK TROUT.
SO TRANS AM FISH SOC, (1987) 116 (4), 541-550.
CODEN: TAFSAI. ISSN: 0002-8487.
AU HAMILTON S J; MEHRLE P M; JONES J R
PD 1987

✓ L25 ANSWER 80 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
TI OXYGEN TOXICITY AND COPPER **SUPEROXIDE** DISMUTASE
MANGANESE SUPEROXIDE DISMUTASE CONTENTS IN THE
NEWBORN WITH RESPIRATORY FAILURE PRELIMINARY RESULTS.
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CODEN: PTBIAN. ISSN: 0031-3009.
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L25 ANSWER 81 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 43
TI HISTOCHEMICAL DEMONSTRATION OF **HEAVY METAL** TOLERANCE
IN ECTOMYCORRHIZAL FUNGI.
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CODEN: PLSOA2. ISSN: 0032-079X.
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PD 1986

L25 ANSWER 82 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
TI STABILIZATION OF ALANINE AMINOPEPTIDASE GAMMA **GLUTAMYL**
TRANSPEPTIDASE AND N ACETYL-BETA-D-GLUCOSAMINIDASE ACTIVITY IN
NORMAL URINES.
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CODEN: AECTCV. ISSN: 0090-4341.
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PD 1986

L25 ANSWER 83 OF 91 CAPLUS COPYRIGHT 1999 ACS
TI Determination of **metallothioneins** with labeled
metallothioneins
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
IN Shimizu, Fumio; Ikei, Nobuhiro; Kodaira, Tsukasa; Nakajima, Katsuyuki;
Saito, Hiroshi
PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 60183557 A2 19850919 JP 84-39649 19840229

L25 ANSWER 84 OF 91 MEDLINE
TI Molecular localization of copper and zinc in rat fetal liver in dietary
and drug-induced copper deficiency.
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697-703.
Journal code: 9Y8. ISSN: 0006-291X.
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L25 ANSWER 85 OF 91 CAPLUS COPYRIGHT 1999 ACS
TI Plasmids and cells for heterologous expression of **metallothioneins**
SO Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
IN Baxter, John D.; Karin, Michael
PATENT NO. KIND DATE APPLICATION NO. DATE

PI EP 78154 A2 19830504 EP 82-305599 19821021

EP 78154 19850109
 R: DE, FR, SE
 NO 8203578 A 19830429 NO 82-3578 19821027
 JP 58141778 A2 19830823 JP 82-188291 19821028

- L25 ANSWER 86 OF 91 BIOSIS COPYRIGHT 1999 BIOSIS
 TI AMINO-ACIDS AND PEPTIDES 8. SYNTHESIS OF A HEXACOSA PEPTIDE CORRESPONDING TO THE CARBOXYL TERMINAL SEQUENCE 36-61 OF HUMAN METALLO THIONEIN II AND DETERMINATION OF ITS **HEAVY METAL** BINDING ACTIVITY.
 SO CHEM PHARM BULL (TOKYO), (1983) 31 (6), 1885-1895.
 CODEN: CPBTAL. ISSN: 0009-2363.
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 PD 1983
- L25 ANSWER 87 OF 91 CAPLUS COPYRIGHT 1999 ACS
 TI Interaction between cadmium and zinc, copper, or lead in relation to the collagen and mineral content of embryonic chick bone in tissue culture
 SO Toxicol. Appl. Pharmacol. (1983), 67(1), 41-8
 CODEN: TXAPA9; ISSN: 0041-008X
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- L25 ANSWER 88 OF 91 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
 TI Purification and properties of two **superoxide** dismutases from human placenta.
 SO Journal of Pharmacobio-Dynamics, (1981) 4/4 (235-244).
 CODEN: JOPHDQ
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 PD 1981
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 TI Distinguishing between manganese-containing and iron-containing **superoxide** dismutases in crude extracts of cells
 SO Arch. Biochem. Biophys. (1980), 201(2), 551-5
 CODEN: ABBIA4; ISSN: 0003-9861
 AU Kirby, Thomas; Blum, Janice; Kahane, Itzhak; Fridovich, Irwin
- L25 ANSWER 90 OF 91 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
 TI Metal-binding and detoxification effect of synthetic oligopeptides containing three cysteinyl residues.
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 CODEN: PNASA6
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 PD 1979
- L25 ANSWER 91 OF 91 CAPLUS COPYRIGHT 1999 ACS
 TI Density Functional and Electrostatic Calculations of **Manganese Superoxide Dismutase** Active Site Complexes in Protein Environments
 SO Inorg. Chem.) ACS ASAP
 CODEN: INOCAJ; ISSN: 0020-1669
 AU Li, Jian; Fisher, Cindy L.; Konecny, Robert; Bashford, Donald; Noodleman, Louis

=> d ti so au pd pi 10-37 126

- L26 ANSWER 10 OF 37 CAPLUS COPYRIGHT 1999 ACS
 TI Protection from ionizing irradiation or chemotherapeutic drug damage by in vivo gene therapy
 SO U.S., 18 pp.
 CODEN: USXXAM
 IN Greenberger, Joel S.
 PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 5599712 19970204 US 93-1360 19931015

L26 ANSWER 11 OF 37 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 3
TI Adenovirus-mediated **manganese superoxide**
dismutase gene transfer to hamster cheek pouch carcinoma cells.
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ISSN: 0008-5472.
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L.; Domann, Frederick E., Jr.; Yan, Tao; Oberley, Larry W. (1)
PD Dec. 15, 1997

L26 ANSWER 12 OF 37 MEDLINE DUPLICATE 4
TI Efficient gene transfer method into the whole heart through the coronary
artery with hemagglutinating virus of Japan **liposome** [see
comments].
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Journal code: K9J. ISSN: 0022-5223.
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L26 ANSWER 13 OF 37 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
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artery with hemagglutinating virus of Japan **liposome**.
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Refs: 21
ISSN: 0022-5223 CODEN: JTCSAQ
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PD 1997

L26 ANSWER 14 OF 37 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 5
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7alpha-hydroxylase transgene is sufficient to stimulate the reduction of
cholesterol in the plasma of hypercholesterolemic mice.
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ISSN: 0829-8211.
AU Agellon, Luis B. (1)
PD 1997

L26 ANSWER 15 OF 37 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 6
TI Kallikrein gene therapy: A new strategy for hypertensive diseases.
SO Immunopharmacology, (1997) Vol. 36, No. 2-3, pp. 229-236.
ISSN: 0162-3109.
AU Chao, Julie; Chao, Lee (1)
PD 1997

L26 ANSWER 16 OF 37 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 7
TI The effects of altered cellular calmodulin expression on the growth and
viability of C6 glioblastoma cells.
SO Oncology Research, (1997) Vol. 9, No. 1, pp. 13-17.
ISSN: 0965-0407.
AU Frostko, C. Robert; Zhang, Christine; Hait, William N. (1)
PD 1997

L26 ANSWER 17 OF 37 CAPLUS COPYRIGHT 1999 ACS
TI Antioxidant compositions
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2

IN Kirby, Christopher John

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9617899	A1	19960613	WO 95-GB2888	19951208
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W: AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES,

FI, GB, HU, IS, JP, KE, KG, KP, KR, LR, LS, LT, LU,
 LV, MD, MK, MN, MW, MX, NO, NZ, PL, RU, SD, SE, SG,
 SI, SK
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE,
 IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,
 NE, SN, TD, TG

CA 2207325	AA	19960613	CA 95-2207325	19951208
AU 9641826	A1	19960626	AU 96-41826	19951208
AU 700084	B2	19981224		
EP 796302	A1	19970924	EP 95-940348	19951208

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,

SE

CN 1168687	A	19971224	CN 95-196630	19951208
JP 10510563	T2	19981013	JP 95-517434	19951208
FI 9702421	A	19970806	FI 97-2421	19970606
NO 9702609	A	19970808	NO 97-2609	19970606

L26 ANSWER 18 OF 37 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 8
 TI Construction and characterization of a recombinant **adenovirus**
vector carrying the human preproinsulin gene under the control of
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 SO Biochemical and Biophysical Research Communications, (1996) Vol. 229, No.
 3, pp. 778-787.
 ISSN: 0006-291X.
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 Tsukasa; Ishizu, Ken-Ichiro; Takayama, Makoto; Sasaki, Yutaka; Sakai,
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 PD 1996

L26 ANSWER 19 OF 37 CAPLUS COPYRIGHT 1999 ACS
 TI Antiproliferative effect of acivicin does not result from inhibition of
 .gamma.-glutamyltranspeptidase activity in normal rat kidney fibroblasts
 SO Toxic Subst. Mech. (1996), 15(1), 49-62
 CODEN: TSUMEZ; ISSN: 1076-9188
 AU Kang, Y. James; Buckley, Donna J.; Hatcher, Emiko L.

L26 ANSWER 20 OF 37 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 9
 TI Stromal cell involvement in leukemogenesis and carcinogenesis.
 SO In Vivo (Attiki), (1996) Vol. 10, No. 1, pp. 1-17.
 ISSN: 0258-851X.
 AU Greenberger, Joel S. (1); Epperly, Michael W.; Zeevi, Adriana; Brunson,
 Kenneth W.; Goltry, Kristin L.; Pogue-Geile, Katherine L.; Bray, Jenifer;
 Berry, Lann
 PD 1996

L26 ANSWER 21 OF 37 MEDLINE DUPLICATE 10
 TI Development of cell lines capable of complementing E1, E4, and protein IX
 defective adenovirus type 5 mutants.
 SO HUMAN GENE THERAPY, (1995 Dec) 6 (12) 1575-86.
 Journal code: A12. ISSN: 1043-0342.
 AU Krougliak V; Graham F L

V
 L26 ANSWER 22 OF 37 CAPLUS COPYRIGHT 1999 ACS
 TI Free radical scavenging and **DNA** damage protection by
metallothionein
 SO Shengwu Wuli Xuebao (1995), 11(2), 276-82
 CODEN: SWXUEN; ISSN: 1000-6737
 AU Tie, Jianke; Li, Lingyuan; Ru, Binggen; Ci, Yunxiang

L26 ANSWER 23 OF 37 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
 TI Time course of recombinant protein secretion after **liposome**
 -mediated gene transfer in a rabbit arterial organ culture model.
 SO Laboratory Investigation, (1994) 71/3 (387-391).
 ISSN: 0023-6837 CODEN: LAINAW
 AU Takeshita S.; Losordo D.W.; Kearney M.; Rossow S.T.; Isner J.M.

L26 ANSWER 24 OF 37 MEDLINE

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SO HUMAN GENE THERAPY, (1994 Mar) 5 (3) 313-22.

Journal code: A12. ISSN: 1043-0342.

AJ Lozier J N; Thompson A R; Hu P C; Read M; Brinkhous K M; High K A; Curiel D T

L26 ANSWER 25 OF 37 MEDLINE

DUPLICATE 11

TI Expression of human growth hormone fusion genes in cultured lung endothelial cells and in the lungs of mice.

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Journal code: AOB. ISSN: 1044-1549.

AJ Brigham K L; Meyrick B; Christman B; Conary J T; King G; Berry L C Jr; Magnuson M A

L26 ANSWER 26 OF 37 CAPLUS COPYRIGHT 1999 ACS

TI A composition containing polypeptide sequences useful as a therapeutic agent against chronic viral hepatic diseases

SO Eur. Pat. Appl., 62 pp.

CODEN: EPXXDW

IN Thoma, Hans A.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 491077	A1	19920624	EP 90-124775	19901219
R: DE				
CA 2098021	AA	19920620	CA 91-2098021	19911219
WO 9211368	A1	19920709	WO 91-EP2460	19911219
W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, SD, SE, SU, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG				
AU 9190817	A1	19920722	AU 91-90817	19911219
AU 657935	B2	19950330		
EP 563093	A1	19931006	EP 92-900527	19911219
EP 563093	B1	19980826		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
HU 66437	A2	19941128	HU 91-1794	19911219
AT 170220	E	19980915	AT 92-900527	19911219

L26 ANSWER 27 OF 37 BIOSIS COPYRIGHT 1999 BIOSIS

DUPLICATE 12

TI MYRISTOYLATION OF FLAGELLAR CREATINE KINASE IN THE SPERM PHOSPHOCREATINE SHUTTLE IS LINKED TO ITS MEMBRANE ASSOCIATION PROPERTIES.

SO J BIOL CHEM, (1992) 267 (21), 15080-15085.

CODEN: JBCHA3. ISSN: 0021-9258.

AJ QUEST A F G; CHADWICK J K; WOTHE D D; MCILHINNEY R A J; SHAPIRO B M
PD 1992

L26 ANSWER 28 OF 37 MEDLINE

DUPLICATE 13

TI Mechanisms of multidrug resistance in cancer treatment.

SO ACTA ONCOLOGICA, (1992) 31 (2) 205-13. Ref: 65

Journal code: AON. ISSN: 0284-186X.

AJ Harris A L; Hochhauser D

L26 ANSWER 29 OF 37 CAPLUS COPYRIGHT 1999 ACS

TI Method of in vivo delivery of functional foreign genes

SO PCT Int. Appl., 17 pp.

CODEN: PIXXD2

IN Brigham, Kenneth L.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9106309	A1	19910516	WO 90-US5993	19901018

W: AU, CA, SE
 RW: AT, BE, DE, DK, ES, FR, GB, GR, IT, SE
 CA 2044593 AA 19910504 CA 90-2044593 19901018
 AU 9066456 A1 19910531 AU 90-66456 19901018
 AU 625013 B2 19920625
 EP 452457 A1 19911023 EP 90-916560 19901018
 EP 452457 B1 19970820
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
 JP 04502772 T2 19920521 JP 90-515602 19901018
 AT 157012 E 19970915 AT 90-916560 19901018
 EP 800830 A2 19971015 EP 97-107677 19901018
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
 US 5676954 A 19971014 US 95-437213 19950508

L26 ANSWER 30 OF 37 MEDLINE DUPLICATE 14
 TI Efficient transfection of chicken cells by lipofection, and introduction of transfected blastodermal cells into the embryo.
 SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1991 Dec) 30 (4) 304-12.
 Journal code: AN7. ISSN: 1040-452X.
 AU Brazolot C L; Pettitte J N; Etches R J; Verrinder Gibbins A M

L26 ANSWER 31 OF 37 CAPLUS COPYRIGHT 1999 ACS
 TI Pharmaceuticals and method for expression of exogenous polynucleotide sequences in a vertebrate for use in immunization and therapy
 SO PCT Int. Appl., 90 pp.
 CODEN: PIXXD2
 IN Felgner, Philip L.; Wolff, Jon Asher; Rhodes, Gary H.; Malone, Robert Wallace; Carson, Dennis A.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9011092	A1	19901004	WO 90-US1515	19900321
W: AU, CA, FI, JP, NO, SU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
CA 2049287	AA	19900922	CA 90-2049287	19900321
AU 9053441	A1	19901022	AU 90-53441	19900321
EP 465529	A1	19920115	EP 90-905276	19900321
EP 465529	B1	19980429		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
JP 04504125	T2	19920723	JP 90-505276	19900321
EP 737750	A2	19961016	EP 96-104264	19900321
EP 737750	A3	19961211		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
AT 165516	E	19980515	AT 90-905276	19900321
ES 2116269	T3	19980716	ES 90-905276	19900321
NO 9103700	A	19911111	NO 91-3700	19910919
US 5703055	A	19971230	US 94-187630	19940126
US 5580859	A	19961203	US 94-215405	19940318
US 5589466	A	19961231	US 95-380131	19950126
US 5693622	A	19971202	US 95-480039	19950607

L26 ANSWER 32 OF 37 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V. DUPLICATE 15
 TI Genotoxicity of haloalkene and haloalkane glutathione S-conjugates in porcine kidney cells.
 SO Toxicology in Vitro, (1989) 3/2 (151-156).
 ISSN: 0887-2333 CODEN: TIVIEQ
 AU Vamvakas S.; Dekant W.; Henschler D.
 PD 1989

L26 ANSWER 33 OF 37 CAPLUS COPYRIGHT 1999 ACS
 TI Plasmids encoding and cell lines producing chimeric rodent/human immunoglobulin specific for tumor-associated antigens
 SO Eur. Pat. Appl., 48 pp.
 CODEN: EPXXDW
 IN Schoemaker, Hubert J. P.; Sun, Lee K.
 PATENT NO. KIND DATE APPLICATION NO. DATE

PI	EP 256654		19880224	EP 87-3060	19870707
	EP 256654	A3	19890607		
	EP 256654	B1	19960918		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 63112995	A2	19880518	JP 87-169580	19870707
	AT 143052	E	19961015	AT 87-306006	19870707
	JP 10070991	A2	19980317	JP 97-228781	19870707

L26 ANSWER 34 OF 37 CAPLUS COPYRIGHT 1999 ACS

TI Large scale production and purification of recombinant apolipoprotein and its therapeutic uses

SO PCT Int. Appl., 126 pp.

CODEN: PIXXD2

IN Protter, Andrew A.; Vigne, Jean Louis; Mallory, Joanne B.; Talmadge, Karen

D.; Kane, John P.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 8702062	A1	19870409	WO 86-US2075	19861002
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W: AU, JP

RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

US 4943527	A	19900724	US 86-834300	19860227
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AU 8665224	A1	19870424	AU 86-65224	19861002
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EP 239631	A1	19871007	EP 86-906545	19861002
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R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE

JP 63501764	T2	19880721	JP 86-505574	19861002
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L26 ANSWER 35 OF 37 CAPLUS COPYRIGHT 1999 ACS

TI Metabolic basis for the protective effect of the antioxidant ethoxyquin on

aflatoxin B1 hepatocarcinogenesis of the rat

SO Cancer Res. (1987), 47(19), 5218-23

CODEN: CNREA8; ISSN: 0008-5472

AU Mandel, H. George; Manson, Margaret M.; Judah, David J.; Simpson, Janet L.; Green, Jonathan A.; Forrester, Lesley M.; Wolf, C. Roland; Neal, Gordon E.

L26 ANSWER 36 OF 37 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 16

TI MODULATION OF AFLATOXIN METABOLISM AFLATOXIN-N-7-GUANINE FORMATION AND HEPATIC TUMORIGENESIS IN RATS FED ETHOXYQUIN ROLE OF INDUCTION OF GLUTATHIONE-S-TRANSFERASES.

SO CANCER RES, (1986) 46 (8), 3924-3931.

CODEN: CNREA8. ISSN: 0008-5472.

AU KENSLE T W; EGNER P A; DAVIDSON N E; ROEBUCK B D; PIKUL A; GROOPMAN J D
PD 1986

L26 ANSWER 37 OF 37 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.

TI Glutathione.

SO Annual Review of Biochemistry, (1983) Vol. 52/- (711-760).

CODEN: ARBOAW

AU Meister A.; Anderson M.E.

PD 1983

= d ti so au pd pi 1-23 127

L27 ANSWER 1 OF 23 CAPLUS COPYRIGHT 1999 ACS

TI The gene product of Fanconia anemia complementation group C and its use therapeutic uses

SO PCT Int. Appl., 70 pp.

CODEN: PIXXD2

IN Youssoufian, Hagop

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

PI WO 9851792 A1 19981119 WO 98-US997 19980515
W: AU, CA,
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE

L27 ANSWER 2 OF 23 CAPLUS COPYRIGHT 1999 ACS

TI HIV and cancer treatment

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

IN Camden, James Berger

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

PI WO 9851303	A1	19981119	WO 97-US21564	19971126
---------------	----	----------	---------------	----------

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,
UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
GN, ML, MR, NE, SN, TD, TG

L27 ANSWER 3 OF 23 CAPLUS COPYRIGHT 1999 ACS

TI Combined tumor suppressor gene therapy and **chemotherapy** in the
treatment of neoplasms

SO PCT Int. Appl., 114 pp.

CODEN: PIXXD2

IN Nielsen, Loretta; Horowitz, Jo Ann; Maneval, Daniel C.; Demers, G.

William; Rybak, Mary Ellen; Resnick, Gene

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9835554	A2	19980820	WO 98-US3514	19980217
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WO 9835554	A3	19981126		
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W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
GA, GN, ML, MR, NE, SN, TD, TG

AU 9864380	A1	19980908	AU 98-64380	19980217
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L27 ANSWER 4 OF 23 CAPLUS COPYRIGHT 1999 ACS

TI Kit for inhibiting the growth of cancers, comprising a
chemotherapeutic agent and a benzimidazole, and optionally a
potentiator

SO PCT Int. Appl., 18 pp.

CODEN: PIXXD2

IN Camden, James Berger

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9832440	A1	19980730	WO 98-US1147	19980121
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W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
GA, GN, ML, MR, NE, SN, TD, TG

AU 9860343	A1	19980818	AU 98-60343	19980121
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L27 ANSWER 5 OF 23 CAPLUS COPYRIGHT 1999 ACS

TI Tissue factor **methods** and compositions for coagulation and tumor

treatment
 SO PCT Int. Appl., 6 pp.
 CODEN: PIXXD2
 IN Thorpe, Philip E.; King, Steven W.; Gao, Boning
 PATENT NO. KIND DATE APPLICATION NO. DATE

 FI WO 9831394 A2 19980723 WO 98-US1012 19980120
 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
 DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
 KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
 NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
 UA, UG, US, US, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
 FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
 GA, GN, ML, MR, NE, SN, TD, TG
 AU 9859243 A1 19980807 AU 98-59243 19980120

L27 ANSWER 6 OF 23 CAPLUS COPYRIGHT 1999 ACS
 TI Down-regulation of **DNA** repair to enhance sensitivity to
 p53-mediated suppression in cancer therapy
 SO PCT Int. Appl., 88 pp.
 CODEN: PIXXD2

IN Gjerset, Ruth A.
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI WO 9801123 A1 19980115 WO 97-US12542 19970702
 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
 DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,
 LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,
 UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
 GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
 GN, ML, MR, NE, SN, TD, TG
 AU 9736705 A1 19980202 AU 97-36705 19970702

L27 ANSWER 7 OF 23 CAPLUS COPYRIGHT 1999 ACS
 TI Gene therapy of cancer
 SO Mol. Med. (Tokyo) (1998), 35(11), 1384-1395
 CODEN: MOLMEL; ISSN: 0918-6557
 AU Niitsu, Yoshiro; Takahashi, Minoru

L27 ANSWER 8 OF 23 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 1
 TI Lipid- and adenoviral-mediated gene transfer into AIDS-Kaposi's sarcoma
 cell lines.
 SO Cancer Gene Therapy, (May-June, 1998) Vol. 5, No. 3, pp. 131-143.
 ISSN: 0929-1903.
 AU Campain, Julie A. (1); Matassa, Angela A.; Felgner, Philip L.; Barnhart,
 Kerry M.; Curiel, David T.; Harrison, Gail S.
 PD May-June, 1998

L27 ANSWER 9 OF 23 CAPLUS COPYRIGHT 1999 ACS
 TI Enhanced expression of transgenes by treatment with **DNA**-damaging
 agents
 SO PCT Int. Appl., 76 pp.
 CODEN: PIXXD2

IN Cristiano, Richard J.; Nguyen, Dao
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI WO 9739135 A1 19971023 WO 97-US5325 19970401
 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
 DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,
 LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
 PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ,

VN, YU, M, AZ, BY, KG, KZ, MD, RU, TJ,
RW: GH, KE, S, MW, SD, SZ, UG, AT, BE, CH, DK, ES, FI, FR, GB,
GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN,
ML, MR, NE, SN, TD, TG

AU 9725570 A1 19971107 AU 97-25570 19970401

L27 ANSWER 10 OF 23 CAPLUS COPYRIGHT 1999 ACS
TI Antisense oligonucleotides for prostate-specific antigen or probasin for
chemotherapy of benign hyperplasia or cancer of the prostate
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2

IN Zamecnik, Paul A.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 9711172	A1	19970327	WO 96-US15123	19960920

W: AU, CA, CN, JP, KP, KR, NZ, US

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,

SE

AU 9670775 A1 19970409 AU 96-70775 19960920

L27 ANSWER 11 OF 23 CAPLUS COPYRIGHT 1999 ACS

TI Antisense oligonucleotides to the androgen receptor and acidic fibroblast
growth factor in **chemotherapy** of benign hyperplasia or prostate
cancer

SO PCT Int. Appl., 50 pp.

CODEN: PIXXD2

IN Zamecnik, Paul A.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 9711170	A1	19970327	WO 96-US15081	19960920

W: AU, CA, CN, JP, KP, NZ, US

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,

SE

CA 2239976 AA 19970327 CA 96-2239976 19960920

AU 9673662 A1 19970409 AU 96-73662 19960920

EP 851919 A1 19980708 EP 96-935879 19960920

R: DE, FR, GB, IT

L27 ANSWER 12 OF 23 CAPLUS COPYRIGHT 1999 ACS

TI Radiation sensitization using texaphyrins for treatment of neoplasms or
atheromas

SO U.S., 39 pp. Cont.-in-part of U.S. 5,457,183.

CODEN: USXXAM

IN Sessler, Jonathan L.; Harriman, Anthony M.; Miller, Richard A.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 5622946	A	19970422	US 95-437968	19950510
US 5457183	A	19951010	US 93-135118	19931012
US 5583220	A	19961210	US 95-449681	19950524
US 5580543	A	19961203	US 95-458267	19950602
US 5587371	A	19961224	US 95-458909	19950602
US 5632970	A	19970527	US 95-486967	19950607
US 5801229	A	19980901	US 96-713701	19960913

L27 ANSWER 13 OF 23 CAPLUS COPYRIGHT 1999 ACS

TI Protection from ionizing irradiation or **chemotherapeutic** drug
damage by in vivo gene therapy

SO U.S., 18 pp.

CODEN: USXXAM

IN Greenberger, Joel S.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 5599712	A	19970204	US 93-136079	19931015

L27 ANSWER 14 OF 23 MEDLINE

DUPLICATE 2

TI High-efficiency stable gene transfer of adenovirus into mammalian cells using **ionizing radiation**.

SO HUMAN GENE THERAPY, (1997 Jun 10) 8 (9) 1025-32.
Journal code: A12. ISSN: 1043-0342.

AU Zeng M; Cerniglia G J; Eck S L; Stevens C W

L27 ANSWER 15 OF 23 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 3

TI Targeting gene therapy to cancer: A review.

SO Oncology Research, (1997) Vol. 9, No. 6-7, pp. 313-325.
ISSN: 0965-0407.

AU Dachs, Gabi U. (1); Dougherty, Graeme J.; Stratford, Ian J.; Chaplin, Dai J.

PD 1997

L27 ANSWER 16 OF 23 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD

TI Inhibiting intracellular acidification by treatment with alkalinising agent - partic. to prevent apoptosis in cases of, e.g. reperfusion injury,

HIV infection etc., also for in vitro cell preservation.

IN BABIOR, B M; GOTTLIEB, R A

PI WO 9634604 A1 961107 (9650)* EN 61 pp A61K031-415

RW: AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD
SE SZ UG

W: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS
JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN

AU 9656368 A 961121 (9711) A61K031-415

L27 ANSWER 17 OF 23 CAPLUS COPYRIGHT 1999 ACS

TI Sensitization of tumor cells to **chemotherapy** or irradiation by transfection with adenovirus E1A

SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2

IN Frisch, Steven M.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9607322	A1	19960314	WO 95-US11342	19950905
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W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ, VN

RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

US 5776743	A	19980707	US 94-301316	19940906
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CA 2199265	AA	19960314	CA 95-2199265	19950905
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AU 9536278	A1	19960327	AU 95-36278	19950905
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AU 693604	B2	19980702		
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EP 781092	A1	19970702	EP 95-933746	19950905
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,

SE

L27 ANSWER 18 OF 23 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.

TI Antisense strategies and therapeutic applications.

SO American Journal of Health-System Pharmacy, (1996) 53/2 (151-160).
ISSN: 1079-2082 CODEN: AHSPEK

AU Putnam D.A.

PD 1996

L27 ANSWER 19 OF 23 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 4

TI Gene therapy for cancer: A trend of research.

SO Journal of Japan Society for Cancer Therapy, (1995) Vol. 30, No. 10, pp. 1703-1713.
ISSN: 0021-4671.

AU Niitsu, Yoshiro; Koshita, Yoshikazu

PD 1995

L27 ANSWER 20 OF 23 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 5
TI A modified immunochemical assay for the fast detection of DNA
damage in human white blood cells.
SO Mutation Research, (1995) Vol. 334, No. 3, pp. 347-356.
ISSN: 0027-5107.
AU Timmerman, Arie J.; Mars-Groenendijk, Roos H.; Van Der Schans, Govert P.
(1); Baan, Robert A.
PD 1995

V
L27 ANSWER 21 OF 23 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
TI Use of **liposome**-encapsulated taxol or anti neoplastic deriv. -
for treating cancer, partic. lymphoma, ovarian, breast, lung and colon
cancer.

IN HUSAIN, S R; RAFAELOFF, R; RAHMAN, A
PI WO 9318751 A1 930930 (9340)* EN 23 pp A61K009-127
RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
W: AU CA JP
AU 9339221 A 931021 (9407) A61K009-127
US 5424073 A 950613 (9529) 17 pp A61K009-127
EP 706373 A1 960417 (9620) EN A61K009-127
R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
US 5648090 A 970715 (9734) 12 pp A61K009-127

L27 ANSWER 22 OF 23 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 6
TI Phase II study of taxol, merbarone, and piroxantrone in stage IV
non-small-cell lung cancer: The Eastern Cooperative Oncology Group
Results.
SO Journal of the National Cancer Institute (Bethesda), (1993) Vol. 85, No.
5, pp. 388-394.
ISSN: 0027-8874.
AU Chang, A. Y. (1); Kim, K.; Glick, J.; Anderson, T.; Karp, D.; Johnson, D.
PD 1993

L27 ANSWER 23 OF 23 MEDLINE
TI Potential future application with therapeutic agents.
SO SEMINARS IN NUCLEAR MEDICINE, (1979 Apr) 9 (2) 121-30.
Journal code: UNY. ISSN: 0001-2998.
AU Atkins H L

=> d ti so au pd pi 1-28 128

L28 ANSWER 1 OF 28 CAPLUS COPYRIGHT 1999 ACS
TI Down-regulation of DNA repair to enhance sensitivity to p53-mediated
suppression in cancer therapy
SO PCT Int. Appl., 88 pp.
CODEN: PIXXD2

IN Gjerset, Ruth A.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9801123	A1	19980115	WO 97-US12542	19970702
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9736705	A1	19980202	AU 97-36705	19970702

L28 ANSWER 2 OF 28 CAPLUS COPYRIGHT 1999 ACS
TI Gamma-**glutamyl transpeptidase**-specific antibody,

prodrugs for the treatment of gamma-glutamyl
transpeptidase-expressing tumors, and methods of
administration thereof

SO U.S., 16 pp.

CODEN: USXXAM

IN Hanigan, Marie; MacDonald, Timothy

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

PI US 5854006

A

19981229

US 97-825349

19970328

L28 ANSWER 3 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 1

TI Expression of **manganese superoxide dismutase**

in esophageal and gastric cancers.

SO Journal of Gastroenterology, (Dec., 1998) Vol. 33, No. 6, pp. 816-822.

ISSN: 0944-1174.

AU Izutani, Ryo (1); Asano, Satoshi; Imano, Motohiro; Kuroda, Daisuke; Kato, Michio; Ohyanagi, Harumasa

PD Dec., 1998

L28 ANSWER 4 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 2

TI Megestrol acetate antagonizes cisplatin cytotoxicity.

SO Anti-Cancer Drugs, (Sept., 1998) Vol. 9, No. 8, pp. 733-738.

ISSN: 0959-4973.

AU Pu, Yeong-Shiau (1); Cheng, Ann-Lii; Chen, Jun; Guan, Jing-Yi; Lu, Shiu-Hui; Lai, Ming-Kuen; Hsieh, Chang-Yao

PD Sept., 1998

L28 ANSWER 5 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 3

TI Influence of treatment with aminoglutethimide on plasma and red-blood-cell

glutathione status in breast cancer patients.

SO Cancer Chemotherapy and Pharmacology, (June, 1998) Vol. 42, No. 1, pp. 46-52.

ISSN: 0344-5704.

AU Bernsten, Hildegunn; Lonning, Per Eystein (1); Ekse, Dagfinn; Netteland, Bjorn; Johannessen, Dag Clement; Berge, Rolf; Svardal, Asbjorn

PD June, 1998

L28 ANSWER 6 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 4

TI Do **metallothioneins** affect the response to treatment in testis cancers.

SO Journal of Cancer Research and Clinical Oncology, (Jan., 1998) Vol. 124, No. 1, pp. 31-36.

ISSN: 0171-5216.

AU Eid, Hanna; Geczi, Lajos; Bodrogi, Istvan; Institoris, Etel; Bak, Mihaly (1)

PD Jan., 1998

L28 ANSWER 7 OF 28 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
DUPLICATE 5

TI Protection of cancer patient from side effects of therapy - by transient expression of nucleic acid encoding gamma **glutamyl transpeptidase**, manganese super oxide dismutase and **metallothionein**.

IN GREENBERGER, J S

PI US 5599712 A 970204 (9711)*

18 pp

A61K048-00

L28 ANSWER 8 OF 28 CAPLUS COPYRIGHT 1999 ACS

TI Compositions and methods using phenylacetic acid derivatives for therapy and prevention of pathologies, including cancer, AIDS and anemia

SO U.S., 61 pp. Cont.-in-part of U.S. Ser. No. 779,774.

CODEN: USXXAM

IN Samid, Dvorit

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

PI	US 5635532	A	19970603	US 93-1356	19931012
	ZA 9208140	A	19940421	ZA 92-8140	19921021
	CA 2108963	AA	19950422	CA 93-2108963	19931021
	US 5605930	A	19970225	US 94-207521	19940307
	WO 9510271	A2	19950420	WO 94-US11492	19941012
	WO 9510271	A3	19950622		
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ				
	RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2173976	AA	19950420	CA 94-2173976	19941012
	AU 9479737	A1	19950504	AU 94-79737	19941012
	ZA 9407964	A	19960306	ZA 94-7964	19941012
	EP 725635	A1	19960814	EP 94-930694	19941012
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,				

SE

JP 09506079	T2	19970617	JP 94-511977	19941012
US 5635533	A	19970603	US 95-470229	19950606
US 5654333	A	19970805	US 95-465941	19950606
US 5661179	A	19970826	US 95-469466	19950606
US 5708025	A	19980113	US 95-465835	19950606
US 5710178	A	19980120	US 95-469691	19950606
US 5712307	A	19980127	US 95-465924	19950606
US 5843994	A	19981201	US 95-478264	19950607
US 5852056	A	19981222	US 96-633833	19960410

- L28 ANSWER 9 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 6
 TI Overexpression of resistance-related proteins (**metallothioneins**, glutathione-S-transferase PI, heat shock protein 27, and lung resistance-related protein) in osteosarcoma: Relationship with poor prognosis.
 S0 Cancer, (1997) Vol. 79, No. 12, pp. 2336-2344.
 ISSN: 0008-543X.
 AU Uozaki, Hiroshi (1); Horiuchi, Hajime; Ishida, Tsuyoshi; Iijima, Takuo; Imamura, Tetsuo; Machinami, Rikuo
 PD 1997
- L28 ANSWER 10 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 7
 TI Application of antisense ribonucleic acid complementary to O-6-methylguanine-deoxyribonucleic acid methyltransferase messenger ribonucleic acid for therapy of malignant gliomas.
 S0 Neurosurgery (Baltimore), (1997) Vol. 41, No. 2, pp. 434-441.
 ISSN: 0148-396X.
 AU Nagane, Motoo; Asai, Akio; Shibui, Soichiro; Nomura, Kazuhiro; Kuchino, Yoshiyuki (1)
 PD 1997
- L28 ANSWER 11 OF 28 MEDLINE
 TI Elevation of glutathione and related enzyme activities in high-grade and metastatic extremity soft tissue sarcoma.
 S0 ANNALS OF SURGICAL ONCOLOGY, (1997 Jun) 4 (4) 303-9.
 Journal code: B9R. ISSN: 1068-9265.
 AU Hochwald S N; Rose D M; Brennan M F; Burt M E
- L28 ANSWER 12 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Sensitivity to radiation treatment and changes in **metallothionein** synthesis in a transplanted murine tumor.
 S0 Radiation Research, (1997) Vol. 148, No. 3, pp. 235-239.
 ISSN: 0033-7587.
 AU Shibuya, Kiyoshi (1); Cherian, M. George; Satoh, Masahiko
 PD 1997

- L28 ANSWER 13 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS
 T1 Prognostic value of protein kinase C, proto-oncogene products and resistance-related proteins in newly diagnosed childhood acute lymphoblastic leukemia.
 SO Medical and Pediatric Oncology, (1997) Vol. 28, No. 2, pp. 117-126. ISSN: 0098-1532.
 AU Volm, M. (1); Zintl, F.; Edler, L.; Sauerbrey, A.
 PD 1997
- L28 ANSWER 14 OF 28 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
 T1 Mechanisms of resistance of human small cell lung cancer lines selected in:
 VP-16 and cisplatin.
 SO Cancer, (1996) 77/9 (1797-1808).
 ISSN: 0008-543X CODEN: CANCAR
 AU Jain N.; Lam Y.-M.; Pym J.; Campling B.G.
 PD 1996
- L28 ANSWER 15 OF 28 CAPLUS COPYRIGHT 1999 ACS
 T1 Expression of mouse **metallothioneins**-I genomic gene in CHO-dhfr-cells and its applications on medical therapy
 SO Beijing Daxue Xuebao, Ziran Kexueban (1996), 32(4), 481-487
 CODEN: PCTHAP; ISSN: 0479-8023
 AU Yin, Shenmin; Li, Lingyuan; Ru, Binggen
- L28 ANSWER 16 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS
 T1 Immunoreactive **metallothionein** in salivary gland neoplasms.
 SO Acta Histochemica et Cytochemica, (1996) Vol. 29, No. 1, pp. 7-16. ISSN: 0044-5991.
 AU Shrestha, Prashanta; Takagi, Hisashi; Takai, Yoshiaki; Suzuki, Keiji; Mori, Masahiko (1)
 PD 1996
- L28 ANSWER 17 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 8
 T1 Investigation of chemoresistance-related genes mRNA expression for selecting anticancer agents in successful adjuvant **chemotherapy** for a case of recurrent glioblastoma.
 SO Surgical Neurology, (1995) Vol. 44, No. 5, pp. 462-470. ISSN: 0090-3019.
 AU Nagane, Motoo (1); Shibui, Soichiro; Oyama, Hiroshi; Asai, Akio; Kuchino, Yoshiyuki; Nomura, Kazuhiro
 PD 1995
- L28 ANSWER 18 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 9
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L1 23494 S METHOD(5A)PROTECT?
L2 1297983 S METHOD
L3 54710 S (FREE(W)RADICAL) OR (SUPEROXIDE) OR (HEAVY(W)METAL)
L4 9860 S (IONIZ?(W)RADIATION) OR (RADIATION(5A)THERAPY) OR (CHEMO
THE
L5 70809 S CDNA OR DNA OR (PHARMACEUT?(5A)COMPOSITION)
L6 30348 S LIPOSOME OR (ADENOVIR?(5A)VECTOR) OR CONJUGATE
L7 1915 S (GLUTAMYL(W)TRANSPEPTIDASE) OR (MANGANESE(W)SUPEROXIDE(W
)DI
L8 0 S RADIOINDUCIBLE
L9 0 S RADIO-INDUCIBLE
L10 60 S INDUCIBLE(5A)REGULATORY(5A)SEQUENCE
L11 1386 S L1 AND L3
L12 47770 S L2 AND L3
L13 301 S L1 AND L4
L14 8937 S L2 AND L4
L15 530 S L1 AND L3 AND L5
L16 545 S L3 AND L7
L17 117 S L4 AND L7
L18 168 S L1 AND L4 AND L5
L19 1301 S L1 AND L6
L20 60 S L2 AND L10
L21 0 S 435/267/CCLS AND L20
L22 3 S 435/267/CCLS AND L19
L23 1 S 435/267/CCLS AND L18
L24 1 S 435/267/CCLS AND L17
L25 1 S 435/267/CCLS AND L16
L26 1 S 435/267/CCLS AND L15
L27 13 S 435/320.1/CCLS AND L15
L28 181 S 435/320.1/CCLS AND L16
L29 33 S 435/320.1/CCLS AND L17
L30 8 S 435/320.1/CCLS AND L18
L31 171 S 435/320.1/CCLS AND L19
L32 29 S 435/320.1/CCLS AND L20
L33 28 S L1 AND L3 AND L7
L34 9 S L1 AND L4 AND L7
L35 543 S L2 AND L3 AND L7
L36 117 S L2 AND L4 AND L7
L37 179 S 435/320.1/CCLS AND L35
L38 33 S 435/320.1/CCLS AND L36
L39 26 S 514/44/CCLS AND L35
L40 8 S 514/44/CCLS AND L36
L41 6 S 514/44/CCLS AND L15
L42 1 S 514/44/CCLS AND L18
L43 1 S 514/44/CCLS AND L20
L44 6 S 424/93.2/CCLS AND L15
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L46 0 S 424/93.2/CCLS AND L20
L47 6 S 424/93.2/CCLS AND L35
L48 2 S 424/93.2/CCLS AND L36
L49 0 S 435/172.1/CCLS AND L15
L50 0 S 435/172.3/CCLS AND L15
L51 0 S 435/172.3/CCLS AND L18
L52 0 S 435/172.3/CCLS AND L20

L53

0 S 43 72.3/CCLS AND L35

L54

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Amos B. Oppenheim, et al., 435/189, 69.1, 252.33, 320.1 [IMAGE
AVAILABLE]

154. 5,098,704, Mar. 24, 1992, Hepatitis surface antigen particle
vaccine; Pablo D. T. Valenzuela, 424/227.1, 161.1; 435/320.1;
530/389.4 [IMAGE AVAILABLE]

155. 5,089,397, Feb. 18, 1992, Superior mammalian expression system;
Peter J. Kushner, et al., 435/69.1, 320.1, 360; 536/23.51, 24.1
[IMAGE AVAILABLE]

156. 5,081,020, Jan. 14, 1992, Expression vectors containing .lambda.P.sub.L promoter, T.sub.1 T.sub.2 rRNA termination sequence and origin of replication derived from a constitutive high copy number plasmid hosts and related **methods**; Avigdor Levanon, et al., 435/69.4, 252.33, **320.1** [IMAGE AVAILABLE]
157. 5,077,204, Dec. 31, 1991, Yeast endopeptidase for basic amino-acid site cleavage, preparation and use; Anthony J. Brake, et al., 435/68.1, 69.1, 71.1, 224, 252.3, 254.21, **320.1**; 536/23.2 [IMAGE AVAILABLE]
158. 5,075,222, Dec. 24, 1991, Interleukin-1 inhibitors; Charles H. Hannum, et al., 435/69.1, 91.41, 235.1, 252.3, 252.33, **320.1**, 360, 455, 461, 485, 488; 530/350; 536/23.51 [IMAGE AVAILABLE]
159. 5,068,193, Nov. 26, 1991, Novel **method** and compositions for introducing alien DNA in vivo; Luca Comai, 435/252.3, 252.33, **320.1**; 536/24.1 [IMAGE AVAILABLE]
160. 5,059,529, Oct. 22, 1991, Stabilized expression vectors containing .lambda.P.sub.L promoter and the gene for the cI.sub.434 repressor, plasmids containing the vectors, hosts containing the plasmids and related **methods**; Amos B. Oppenheim, et al., 435/69.4, 252.33, **320.1** [IMAGE AVAILABLE]
161. 5,043,270, Aug. 27, 1991, Intronic overexpression vectors; John M. Abrams, et al., 435/69.1, **320.1**, 358, 464; 536/23.2, 23.5 [IMAGE AVAILABLE]
162. 5,015,575, May 14, 1991, Hybrid DNA synthesis of insulin; Anthony J. Brake, et al., 435/91.4, 69.1, 69.4, 69.8, 69.9, 254.2, **320.1**; 536/23.51, 24.1 [IMAGE AVAILABLE]
163. 5,006,469, Apr. 9, 1991, Vectors and host cells expressing prepromotilin and motilin-associated peptide (MAP); John P. Adelman, et al., 435/325, 252.3, 252.31, 252.33, **320.1**, 348 [IMAGE AVAILABLE]
164. 5,001,060, Mar. 19, 1991, Plant anaerobic regulatory element; James W. Peacock, et al., **435/320.1**; 536/23.2, 23.6 [IMAGE AVAILABLE]
165. 4,997,929, Mar. 5, 1991, Purified ciliary neurotrophic factor; Franklin D. Collins, et al., 435/365.1, 69.1, 69.4, **320.1**, 369; 536/23.5, 23.51 [IMAGE AVAILABLE]
166. 4,959,317, Sep. 25, 1990, Site-specific recombination of DNA in eukaryotic cells; Brian L. Sauer, 435/462, 69.1, 91.1, 91.41, 254.2, 254.21, **320.1**, 477 [IMAGE AVAILABLE]
167. 4,943,529, Jul. 24, 1990, Kluyveromyces as a host strain; Johan A. Van den Berg, et al., 435/6, 254.2, **320.1**, 483 [IMAGE AVAILABLE]
- ✓ 168. 4,940,661, Jul. 10, 1990, **Metallothionein** transcription control sequences and use thereof; Tina M. Etcheverry, et al., 435/69.1, 69.3, 69.4, 69.5, 69.6, 91.41, 254.2, **320.1**; 536/24.1 [IMAGE AVAILABLE]
169. 4,935,372, Jun. 19, 1990, Art nucleotide segments, vectors, cell lines **methods** of preparation and use; Wei C. Goh, 435/317.1, 69.1, 69.3, **320.1**, 357, 362, 372, 372.2, 372.3; 536/23.72, 24.1 [IMAGE AVAILABLE]
170. 4,771,002, Sep. 13, 1988, Transcription in plants and bacteria; Stanton B. Gelvin, 435/6, 252.2, 252.33, **320.1**, 468, 469, 476; 536/23.2, 24.1 [IMAGE AVAILABLE]

171. 4,762,785, Aug. 9, 1988, Novel **method** and compositions for introducing alien DNA in vivo; Luca Comai, 435/469, 254.41, **320.1**, 477 [IMAGE AVAILABLE]
172. 4,753,874, Jun. 28, 1988, Rapid mutation testing system for human cells; Michele P. Calos, 435/6, 29, 32, 34, **320.1**, 441 [IMAGE AVAILABLE]
173. 4,751,180, Jun. 14, 1988, Expression using fused genes providing for protein product; Lawrence S. Cousens, et al., 435/69.7, 189, 254.11, 254.2, 254.21, **320.1**, 483; 536/23.1, 23.2, 23.4, 24.1; 930/310 [IMAGE AVAILABLE]
174. 4,740,463, Apr. 26, 1988, **Methods** and artificial genes for antagonizing the function of an oncogene; Robert A. Weinberg, et al., 435/456, 91.3, 91.32, 91.33, 91.5, **320.1**, 465; 536/23.5, 24.1 [IMAGE AVAILABLE]
175. 4,696,898, Sep. 29, 1987, Vector encoding hepatitis B surface antigen; Renee A. Fitts, et al., 435/69.3, **320.1**, 357 [IMAGE AVAILABLE]
176. 4,656,134, Apr. 7, 1987, Gene amplification in eukaryotic cells; Gordon M. Ringold, 435/69.1, 69.3, 69.4, 69.5, 69.6, 91.1, 91.4, 91.41, 191, **320.1**, 464; 536/23.1, 23.2, 24.1 [IMAGE AVAILABLE]
177. 4,599,311, Jul. 8, 1986, Glycolytic promoters for regulated protein expression: protease inhibitor; Glenn H. Kawasaki, 435/69.2, 69.4, 254.21, **320.1**; 930/240, 250, 300 [IMAGE AVAILABLE]
178. 4,579,821, Apr. 1, 1986, Control of DNA sequence transcription; Richard D. Palmiter, et al., 435/91.41, 69.7, 91.52, 194, **320.1**; 536/23.4, 24.1 [IMAGE AVAILABLE]
179. 4,511,652, Apr. 16, 1985, High efficiency eukaryotic **metallothionein** promoter system; Seymour Fogel, et al., 435/29, 69.1, 69.2, 69.4, 91.1, 91.41, 254.21, **320.1**, 482; 536/23.1, 23.6, 23.7, 24.1; 930/10 [IMAGE AVAILABLE]

→ d 15-33 138

15. 5,741,667, Apr. 21, 1998, Tumor necrosis factor receptor-associated factors; David V. Goeddel, et al., 435/69.1, 252.3, **320.1**; 536/23.5 [IMAGE AVAILABLE]
16. 5,739,011, Apr. 14, 1998, DNA for the production of multimeric hemoglobins; David C. Anderson, et al., 435/69.6, 254.11, 257.3, **320.1**, 325; 530/385; 536/23.5 [IMAGE AVAILABLE]
17. 5,736,388, Apr. 7, 1998, Bacteriophage-mediated gene transfer systems capable of transfecting eukaryotic cells; Sunil Chada, et al., **435/320.1**; 424/93.6; 435/235.1; 514/44 [IMAGE AVAILABLE]
18. 5,712,097, Jan. 27, 1998, Tumor suppressor gene, DPC4; Scott E. Kern, et al., 435/6, 91.2, 252.3, 255.1, **320.1**; 436/64; 536/23.1, 23.5, 24.31, 24.32 [IMAGE AVAILABLE]
19. 5,707,616, Jan. 13, 1998, **Method** for treating or preventing gastrointestinal disease with epithelium-derived T-cell factor; Kenneth H. Grabstein, et al., 424/85.2; 435/69.52, 252.3, **320.1**, 325; 514/2, 8, 12, 885; 530/351 [IMAGE AVAILABLE]
20. 5,705,151, Jan. 6, 1998, Gene therapy for T cell regulation; Steve W. Dow, et al., 424/93.21, 450; 435/7.2, 69.1, **320.1**, 458; 514/44

[IMAGE AVAILABLE]

21. 5,693,488, Dec. 2, 1997, Transmembrane tyrosine phosphatase, nucleic acids encoding the same, and **methods** of use thereof; Kathy S. Fang, et al., 435/69.1, 196, 252.3, **320.1**, 325, 348, 365; 536/23.2, 24.3 [IMAGE AVAILABLE]

22. 5,674,739, Oct. 7, 1997, Human gene FOHY030 coding for tumor progression inhibitor; Andrew W. Shyjan, 435/252.3, 254.2, **320.1**, 325, 348; 536/23.5 [IMAGE AVAILABLE]

23. 5,667,987, Sep. 16, 1997, P53 response genes; Leonard Buckbinder, et al., 435/69.1, 252.3, 254.11, **320.1**; 536/23.5 [IMAGE AVAILABLE]

24. 5,646,011, Jul. 8, 1997, Cisplatin resistance gene and uses therefor; Shiro Yokoyama, 435/69.1, 189, 252.3, 254.1, **320.1**, 325, 348; 536/23.2, 24.1 [IMAGE AVAILABLE]

25. 5,641,657, Jun. 24, 1997, DNA encoding an interleukin-6 splice variant; Steven Ruben, et al., 435/69.52, 252.3, **320.1**, 325, 348, 358, 365.1, 419; 530/351; 536/23.5 [IMAGE AVAILABLE]

26. 5,633,161, May 27, 1997, Murine gene fomy030 coding for tumor progression inhibitor; Andrew W. Shyjan, 435/325, 69.1, 252.3, 252.35, 254.2, **320.1**, 348, 352, 357, 358, 365, 369; 536/23.1, 23.5 [IMAGE AVAILABLE]

27. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or **chemotherapeutic drug** damage by in vivo gene therapy; Joel S. Greenberger, 435/267; 424/93.2, 93.21; **435/320.1**; 514/44 [IMAGE AVAILABLE]

28. 5,571,797, Nov. 5, 1996, **Method** of inducing gene expression by **ionizing radiation**; Tsuneya Ohno, et al., 514/44; 424/1.11, 1.49, 1.61, 1.65, 1.69, 93.2, 93.21, 450; 435/69.1, 69.5, **320.1**; 536/24.1 [IMAGE AVAILABLE]

29. 5,554,512, Sep. 10, 1996, Ligands for flt3 receptors; Stewart D. Lyman, et al., 435/69.5; 424/85.1; 435/69.1, 252.3, **320.1**, 365; 530/351, 399; 536/23.5 [IMAGE AVAILABLE]

30. 5,529,921, Jun. 25, 1996, In vitro activation of cytotoxic t-cells using insect cells expressing human class I MHC and .beta.2-microglobulin; Per A. Peterson, et al., 435/375, 252.3, **320.1** [IMAGE AVAILABLE]

31. 5,506,133, Apr. 9, 1996, Superoxide dismutase-4; Gu-Liang Yu, et al., 435/365, 252.3, 254.11, **320.1**; 536/23.2 [IMAGE AVAILABLE]

32. 5,348,887, Sep. 20, 1994, Vectors and DNAs for expression of a human adenocarcinoma antigen; Thomas F. Bumol, et al., **435/320.1**, 69.3, 252.3, 252.33; 536/23.5 [IMAGE AVAILABLE]

33. 5,314,813, May 24, 1994, Drosophila cell lines expressing genes encoding MHC class I antigens and B2-microglobulin and capable of assembling empty complexes and **methods** of making said cell lines; Per A. Peterson, et al., 435/465, **320.1**, 348 [IMAGE AVAILABLE]

=> d 13-26 139

13. 5,693,622, Dec. 2, 1997, Expression of exogenous polynucleotide sequences cardiac muscle of a mammal; Jon A. Wolff, et al., **514/44** [IMAGE AVAILABLE]

14. 5,645,829, Jul. 1997, Mesothelial cell gene therapy; Ty Robert Shockley, et al., 435/93.21, 572; 435/366, 371, 465; **514/44** [IMAGE AVAILABLE]

15. 5,641,755, Jun. 24, 1997, Regulation of x-ray mediated gene expression; Ralph R. Weichselbaum, et al., **514/44**; 424/9.2; 435/6, 29; 514/396; 536/24.1 [IMAGE AVAILABLE]

16. 5,641,662, Jun. 24, 1997, Transfection of lung via aerosolized transgene delivery; Robert James Debs, et al., 435/458; 128/200.14, 200.24; 424/450; 435/320.1; 436/71; **514/44**; 536/24.1 [IMAGE AVAILABLE]

17. 5,618,796, Apr. 8, 1997, Metal binding oligonucleotide and **methods** and compositions for their use to treat metal toxicity; Patrick L. Iversen, **514/44**; 536/23.1 [IMAGE AVAILABLE]

18. 5,612,318, Mar. 18, 1997, Control of gene expression by ionizing radiation; Ralph R. Weichselbaum, et al., **514/44**; 435/455; 536/24.1 [IMAGE AVAILABLE]

19. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or chemotherapeutic drug damage by in vivo gene therapy; Joel S. Greenberger, 435/267; 424/93.2, 93.21; 435/320.1; **514/44** [IMAGE AVAILABLE]

20. 5,589,466, Dec. 31, 1996, Induction of a protective immune response in a mammal by injecting a DNA sequence; Philip L. Felgner, et al., **514/44**; 424/184.1 [IMAGE AVAILABLE]

21. 5,580,859, Dec. 3, 1996, Delivery of exogenous DNA sequences in a mammal; Philip L. Felgner, et al., **514/44**; 435/69.1 [IMAGE AVAILABLE]

22. 5,571,797, Nov. 5, 1996, **Method** of inducing gene expression by ionizing radiation; Tsuneya Ohno, et al., **514/44**; 424/1.11, 1.49, 1.61, 1.65, 1.69, 93.2, 93.21, 450; 435/69.1, 69.5, 320.1; 536/24.1 [IMAGE AVAILABLE]

23. 5,552,309, Sep. 3, 1996, Use of polyols for improving the introduction of genetic material into cells; Keith L. March, 435/456; 424/93.1, 93.2, 426; 435/235.1, 320.1, 458; **514/44** [IMAGE AVAILABLE]

24. 5,496,731, Mar. 5, 1996, Broad-spectrum tumor suppressor genes, gene products and **methods** for tumor suppressor gene therapy; Hong-Ji Xu, et al., 435/320.1; **514/44**; 536/23.5 [IMAGE AVAILABLE]

25. 5,496,698, Mar. 5, 1996, **Method** of isolating ribozyme targets; Kenneth G. Draper, et al., 435/6, 91.31, 320.1; **514/44**; 536/23.1, 23.2, 24.5 [IMAGE AVAILABLE]

26. 5,075,229, Dec. 24, 1991, Dietary and hormonal regulation of expression of exogenous genes in transgenic animals under control of the promoter of the gene for phosphoenolpyruvate carboxykinase; Richard W. Hanson, et al., **514/44** [IMAGE AVAILABLE]

=> d 1-8 140

1. 5,817,636, Oct. 6, 1998, Control of gene expression by **ionizing radiation**; Ralph R. Weichselbaum, et al., **514/44**; 424/93.21; 435/375; 604/20 [IMAGE AVAILABLE]

2. 5,770,581, Jun. 23, 1998, Gene transcription and **ionizing radiation: methods** and compositions; Ralph R. Weichselbaum, et al., **514/44**; 435/447, 455; 536/24.1 [IMAGE AVAILABLE]

3. 5,736,388, Apr. 1998, Bacteriophage-mediated gene transfer systems capable of transfecting eukaryotic cells; Sunil Chada, et al., 435/320.1; 424/93.6; 435/235.1; **514/44** [IMAGE AVAILABLE]

4. 5,705,151, Jan. 6, 1998, Gene therapy for T cell regulation; Steve W. Dow, et al., 424/93.21, 450; 435/7.2, 69.1, 320.1, 458; **514/44** [IMAGE AVAILABLE]

5. 5,641,755, Jun. 24, 1997, Regulation of x-ray mediated gene expression; Ralph R. Weichselbaum, et al., **514/44**; 424/9.2; 435/6, 29; 514/396; 536/24.1 [IMAGE AVAILABLE]

6. 5,612,318, Mar. 18, 1997, Control of gene expression by **ionizing radiation**; Ralph R. Weichselbaum, et al., **514/44**; 435/455; 536/24.1 [IMAGE AVAILABLE]

7. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or **chemotherapeutic drug** damage by in vivo gene therapy; Joel S. Greenberger, 435/267; 424/93.2, 93.21; 435/320.1; **514/44** [IMAGE AVAILABLE]

✓ 8. 5,571,797, Nov. 5, 1996, **Method** of inducing gene expression by **ionizing radiation**; Tsuneya Ohno, et al., **514/44**; 424/1.11, 1.49, 1.61, 1.65, 1.69, 93.2, 93.21, 450; 435/69.1, 69.5, 320.1; 536/24.1 [IMAGE AVAILABLE]

=> d 1-6 141

1. 5,858,355, Jan. 12, 1999, IRAP gene as treatment for arthritis; Joseph C. Glorioso, et al., 424/93.21, 93.2; **514/44** [IMAGE AVAILABLE]

2. 5,830,653, Nov. 3, 1998, Methods of using oligomers containing modified pyrimidines; Brian Froehler, et al., 435/6, 325, 375; **514/44**; 536/24.5 [IMAGE AVAILABLE]

3. 5,800,826, Sep. 1, 1998, Sunscreen compositions containing damaged RNA fragments; Thomas Mammone, et al., 424/401, 59, 70.9; **514/44** [IMAGE AVAILABLE]

4. 5,767,100, Jun. 16, 1998, Compounds and methods for making and using same; Petr Alexander, et al., **514/44**; 435/6, 91.2; 514/261; 536/22.1, 25.3, 26.1; 544/313; 549/417 [IMAGE AVAILABLE]

5. 5,718,915, Feb. 17, 1998, Antiviral liposome having coupled target-binding moiety and hydrolytic enzyme; Jorma Virtanen, et al., 424/450, 94.6, 94.61, 94.63; 435/174, 177, 236; 436/528; **514/44** [IMAGE AVAILABLE]

6. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or chemotherapeutic drug damage by in vivo gene therapy; Joel S. Greenberger, 435/267; 424/93.2, 93.21; 435/320.1; **514/44** [IMAGE AVAILABLE]

=> d 142

1. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or **chemotherapeutic drug** damage by in vivo gene therapy; Joel S. Greenberger, 435/267; 424/93.2, 93.21; 435/320.1; **514/44** [IMAGE AVAILABLE]

=> d 143

1. 5,814,618, Sep. , 1998, **Methods** for regulating gene expression; Hermann Bujard, et al., **514/44**; 424/93.21 [IMAGE AVAILABLE]

=> d 1-6 144

1. 5,858,355, Jan. 12, 1999, IRAP gene as treatment for arthritis; Joseph C. Glorioso, et al., 424/93.21, **93.2**; 514/44 [IMAGE AVAILABLE]

2. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or chemotherapeutic drug damage by in vivo gene therapy; Joel S. Greenberger, 435/267; **424/93.2**, 93.21; 435/320.1; 514/44 [IMAGE AVAILABLE]

3. 5,583,038, Dec. 10, 1996, Bacterial expression vectors containing DNA encoding secretion signals of lipoproteins; Charles K. Stover, 435/252.3; **424/93.2** [IMAGE AVAILABLE]

4. 5,017,373, May 21, 1991, Cloning and expression of bacillus thuringiensis gene toxic to beetles of the order coleoptera; Corinna Herrnstadt, et al., **424/93.2**; 435/69.1, 71.2, 170, 252.34, 320.1, 876; 536/23.71 [IMAGE AVAILABLE]

5. 5,002,765, Mar. 26, 1991, Cloning and expression of bacillus thuringiensis gene toxic to beetles of the order coleoptera; Corinna Herrnstadt, et al., 424/520, **93.2**; 435/69.1, 71.2, 91.41, 170, 252.3, 252.33, 252.34; 536/23.7, 23.71 [IMAGE AVAILABLE]

6. 4,695,455, Sep. 22, 1987, Cellular encapsulation of pesticides produced by expression of heterologous genes; Andrew C. Barnes, et al., **424/93.2**, 93.21, 520; 435/69.1, 252.3, 252.31, 252.33, 252.34, 254.11, 254.2, 254.21, 260, 317.1; 514/2 [IMAGE AVAILABLE]

=> d 145

1. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or **chemotherapeutic drug** damage by in vivo gene therapy; Joel S. Greenberger, 435/267; **424/93.2**, 93.21; 435/320.1; 514/44 [IMAGE AVAILABLE]

=> d 1-6 147

1. 5,876,923, Mar. 2, 1999, Herpes simplex virus ICP4 as an inhibitor of apoptosis; Rosario Leopardi, et al., 435/5; 424/93.1, **93.2**; 435/6, 69.2; 514/44 [IMAGE AVAILABLE]

2. 5,853,718, Dec. 29, 1998, **Method** of immunization using biologically contained bacterial cells; S.o slashed.ren Molin, et al., **424/93.2**; 435/252.3 [IMAGE AVAILABLE]

3. 5,707,865, Jan. 13, 1998, Retroviral vectors for expression in embryonic cells; Donald B. Kohn, et al., 435/325; 424/93.1, **93.2**, 93.21; 435/235.1, 320.1, 352, 354; 514/44; 536/23.1, 24.1 [IMAGE AVAILABLE]

4. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or chemotherapeutic drug damage by in vivo gene therapy; Joel S. Greenberger, 435/267; **424/93.2**, 93.21; 435/320.1; 514/44 [IMAGE AVAILABLE]

5. 5,571,797, Nov. 5, 1996, **Method** of inducing gene expression by ionizing radiation; Tsuneya Ohno, et al., 514/44; 424/1.11, 1.49, 1.61,

1.65, 1.69, **93.2**, 93.21, 450; 435/69.1, 69.5, 320.1; 536/24.1 [IMAGE AVAILABLE]

6. 5,552,309, Sep. 3, 1996, Use of polyols for improving the introduction of genetic material into cells; Keith L. March, 435/456; 424/93.1, **93.2**, 426; 435/235.1, 320.1, 458; 514/44 [IMAGE AVAILABLE]

=> d 1-2 148

1. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or **chemotherapeutic drug** damage by in vivo gene therapy; Joel S. Greenberger, 435/267; **424/93.2**, 93.21; 435/320.1; 514/44 [IMAGE AVAILABLE]

2. 5,571,797, Nov. 5, 1996, **Method** of inducing gene expression by **ionizing radiation**; Tsuneya Ohno, et al., 514/44; 424/1.11, 1.49, 1.61, 1.65, 1.69, **93.2**, 93.21, 450; 435/69.1, 69.5, 320.1; 536/24.1 [IMAGE AVAILABLE]

L53 0 S 435/172.3/CCLS AND L35
 L54 0 S 435/172.3/CCLS AND L36
 L55 1318 S L2 AND L4 AND L6
 L56 12406 S L5 AND L6
 L57 198 S L1 AND L3 AND L6
 L58 82 S L1 AND L4 AND L6
 L59 953 S L1 AND L56
 L60 1 S 435/267/CCLS AND L57
 L61 1 S 435/267/CCLS AND L58
 L62 3 S 435/267/CCLS AND L59
 L63 7 S 435/320.1/CCLS AND L57
 L64 7 S 435/320.1/CCLS AND L58
 L65 171 S 435/320.1/CCLS AND L59
 L66 5 S 514/44/CCLS AND L57
 L67 1 S 514/44/CCLS AND L58
 L68 34 S 514/44/CCLS AND L59
 L69 2 S 424/93.2/CCLS AND L57
 L70 1 S 424/93.2/CCLS AND L58
 L71 15 S 424/93.2/CCLS AND L59
 L72 0 S 435/172.3/CCLS AND L57
 L73 0 S 435/172.3/CCLS AND L58
 L74 0 S 435/172.3/CCLS AND L59

=> d 160

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 1. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or chemotherapeutic drug damage by in vivo gene therapy; Joel S. Greenberger, **435/267**; 424/93.2, 93.21; 435/320.1; 514/44 [IMAGE AVAILABLE]

=> d 1-3 162

1. 5,846,812, Dec. 8, 1998, Zearalenone detoxification compositions and methods; Jon Duvick, et al., **435/267**, 155, 170, 252.1, 253.2, 822, 372 [IMAGE AVAILABLE]

2. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or chemotherapeutic drug damage by in vivo gene therapy; Joel S. Greenberger, **435/267**; 424/93.2, 93.21; 435/320.1; 514/44 [IMAGE AVAILABLE]

3. 5,547,932, Aug. 20, 1996, Composition for introducing nucleic acid complexes into higher eucaryotic cells; David T. Curiel, et al., 435/85; 424/93.1, 93.2, 93.6, 520; 435/6, 69.1, 91.4, 91.41, 252.3, **267**, 456, 458; 536/23.5, 24.5 [IMAGE AVAILABLE]

=> d 1-7 163

1. 5,861,272, Jan. 19, 1999, C5A receptor; Yi Li, et al., 435/69.1, **320.1**; 536/23.5 [IMAGE AVAILABLE]

2. 5,710,004, Jan. 20, 1998, Polynucleotides that encode the calcitonin gene-related peptide receptor component factor (HOUND44); John E. Adamou, et al., 435/69.1, 252.3, **320.1**, 325; 536/23.1, 23.5 [IMAGE AVAILABLE]

3. 5,702,920, Dec. 30, 1997, DNAs encoding human macrophage migration

inhibition factor related peptides; Karel Gerrit Odink et al., 435/69.5, 91.4, 252.33, **320.1**, 325; 530/351, 412, 413; 536/23.5, 25.3 [IMAGE AVAILABLE]

4. 5,695,980, Dec. 9, 1997, Polynucleotides, vectors, cells and an expression method for human MutT2; Ying-Fei Wei, et al., 435/196, 69.1, 70.1, 71.1, 91.41, 252.3, **320.1**; 536/22.1, 23.1, 23.5, 25.3 [IMAGE AVAILABLE]

5. 5,646,011, Jul. 8, 1997, Cisplatin resistance gene and uses therefor; Shiro Yokoyama, 435/69.1, 189, 252.3, 254.1, **320.1**, 325, 348; 536/23.2, 24.1 [IMAGE AVAILABLE]

6. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or chemotherapeutic drug damage by in vivo gene therapy; Joel S. Greenberger, 435/267; 424/93.2, 93.21; **435/320.1**; 514/44 [IMAGE AVAILABLE]

7. 5,411,882, May 2, 1995, Cytokine which mediates inflammation; Karel G. Odink, et al., 435/358, 252.33, **320.1**; 536/23.5 [IMAGE AVAILABLE]

=> d 1-7 164

1. 5,874,240, Feb. 23, 1999, Human 4-1BB receptor splicing variant; Jian Ni, et al., 435/69.1, 252.3, 254.11, **320.1**, 325; 530/350, 395; 536/23.1, 23.5 [IMAGE AVAILABLE]

2. 5,858,705, Jan. 12, 1999, Polynucleotides encoding human DNA ligase III and methods of using these polynucleotides; Ying-Fei Wei, et al., 435/69.1, 183, 252.3, 254.11, **320.1**, 325; 536/23.2 [IMAGE AVAILABLE]

3. 5,843,737, Dec. 1, 1998, Cancer associated gene protein expressed therefrom and uses thereof; Lan Bo Chen, et al., 435/455, 6, 183, **320.1**, 325, 477; 536/23.1, 23.2, 23.5 [IMAGE AVAILABLE]

4. 5,766,880, Jun. 16, 1998, Isolated nucleic acid molecules encoding multidrug resistance proteins; Roger G. Deeley, et al., 435/69.1, 243, **320.1**, 366, 372; 536/23.5, 24.31 [IMAGE AVAILABLE]

5. 5,646,011, Jul. 8, 1997, Cisplatin resistance gene and uses therefor; Shiro Yokoyama, 435/69.1, 189, 252.3, 254.1, **320.1**, 325, 348; 536/23.2, 24.1 [IMAGE AVAILABLE]

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=> d 1-5 166

1. 5,858,355, Jan. 12, 1999, IRAP gene as treatment for arthritis; Joseph C. Glorioso, et al., 424/93.21, 93.2; **514/44** [IMAGE AVAILABLE]

2. 5,830,653, Nov. 3, 1998, Methods of using oligomers containing modified pyrimidines; Brian Froehler, et al., 435/6, 325, 375; **514/44**; 536/24.5 [IMAGE AVAILABLE]

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25.3, 26.1; 544/313; 49/417 [IMAGE AVAILABLE]

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=> d 167

1. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or **chemotherapeutic drug** damage by in vivo gene therapy; Joel S. Greenberger, 435/267; 424/93.2, 93.21; 435/320.1; **514/44** [IMAGE AVAILABLE]

=> d 1-2 169

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=> d 170

1. 5,599,712, Feb. 4, 1997, Protection from ionizing irradiation or **chemotherapeutic drug** damage by in vivo gene therapy; Joel S. Greenberger, 435/267; **424/93.2**, 93.21; 435/320.1; 514/44 [IMAGE AVAILABLE]

=> d 1-15 171

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3. 5,855,880, Jan. 5, 1999, Avirulent microbes and uses therefor; Roy Curtiss, III, et al., **424/93.2**, 93.48, 184.1, 200.1, 235.1, 257.1, 258.1; 435/252.3, 252.33, 320.1, 879 [IMAGE AVAILABLE]

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Duke, et al., 424/93.21, **93.2**, 93.5; 435/69.1, 320.1, 75 [IMAGE AVAILABLE]

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=> d 20-34 168

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